

Stefano CAMERA

Associate Professor, University of Turin, Turin, Italy

Adjunct Professor, University of the Western Cape, Cape Town, South Africa

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Personal Information

Birth	14 th Sept 1983, Genova (Italy)
Nationality	Italian
Address	Via Saverio Mercadante 86, 10154 Torino, Italy

Education

Degree	PhD Physics & Astrophysics
Institute	Università degli Studi di Torino, Italy
Period	2008 – 2010
Supervisor(s)	Prof. A. Diaferio (Università degli Studi di Torino) / Prof. A.F. Heavens (The University of Edinburgh)
Thesis	Testing Alternative Cosmological Models with Cosmic Shear
Degree	Laurea Magistrale in Fisica delle Interazione Fondamentali (MPhys)
Institute	Università degli Studi di Torino, Italy
Period	2005 – 2007
Supervisor	Prof. A. Diaferio (Università degli Studi di Torino)
Thesis	Large-Scale Structure Formation in Modified Gravity Theories
Degree	Laurea in Fisica (BSc Physics)
Institute	Università degli Studi di Torino, Italy
Period	2002 – 2005
Supervisor	Prof. G. Magnano (Università degli Studi di Torino)
Thesis	Eddingtonland: On Einstein's General Relativity and the Geometry of Eddington's Sheet in Schwarzschild's Solutions – a Physical-Geometrical Essay

Work Experience

Institute	Dipartimento di Fisica, Università degli Studi di Torino, Italy
Position	Associate Professor
Period	1 st Mar 2020 (permanent)
Institute	Dipartimento di Fisica, Università degli Studi di Torino, Italy
Position	Rita Levi Montalcini Assistant Professor
Period	1 st Mar 2017 – 29 th Feb 2020
Project	PROMETHEUS – Probing and Relating Observables with Multi-wavelength Experiments To Help Enlightening the Universe's Structure
Institute	JBCA, School of Physics & Astronomy, The University of Manchester, UK
Position	Research Associate in Theoretical & Observational Cosmology
Period	1 st Nov 2014 – 28 th Feb 2017
Project	Enlightening the Dark Universe with Optical-Radio Synergies
Line Manager	Prof. Michael L. Brown
Institute	CENTRA, Instituto Superior Técnico, Universidade de Lisboa, Portugal
Position	FCT Research Fellow
Period	1 st Jan 2012 – 31 st Oct 2014
Project	Cosmology with Weak Lensing and Radio Continuum Surveys
Line Manager	Prof. Mário G. Santos

Institute	CENTRA, Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal
Position	Research Assistant
Period	1 st July 2011 – 31 st Dec 2011
Project	On the Pathway to SKA: science with next generation of radio telescopes
Line Manager	Prof. Mário G. Santos
Institute	Dipartimenti di Fisica Generale e Teorica, Università degli Studi di Torino, Italy
Position	Researcher Assistant
Period	1 st Jan 2011 – 30 th June 2011
Project	Alternative Theories of Gravity
Line Manager	Prof. Nicolao Fornengo

Fellowships & Awards

- Rita Levi Montalcini Fellowship, MIUR – Ministero dell'Istruzione, dell'Università e della Ricerca (Italy)
Project: 'PROMETHEUS – Probing and Relating Observables with Multi-wavelength Experiments To Help Enlightening the Universe's Structure'
- Marie Skłodowska-Curie Fellowship, MSCA COFUND AstroFit2 Programme
Project: 'ICARUS – Intertwining Cosmology and Astrophysics to Reveal the Universe's Secrets'
- Post-Doctoral Research Fellowship, FCT – Fundação para a Ciência e a Tecnologia (Portugal)
SFRH/BPD/80274/2011: 'Cosmology with Weak Lensing and Radio Continuum Surveys'
- Nominee, Premio Giovani Laureati 2011 Award, Società Italiana di Fisica (Italy)

Major Scientific & Academic Achievements

104 publications (26 under peer review), of which 28 as a 1st author and:

- 3 (2 lead-author) letters on Physical Review Letters (IF 2020: 9.161)
- 3 (1 lead- and 1 co-lead author) letters on The Astrophysical Journal Letters (IF 2020: 7.413)
- 1 lead-author letter on Monthly Notices of the Royal Astronomical Society: Letters (IF 2019: 5.356)
- 2 corresponding author reviews on Living Reviews in Relativity (IF 2019: 35.429)
- 1 lead-author review (accepted) on Physics Reports (IF 2018: 28.295)
- 7 (1 lead- and 2 co-lead author) chapters in the Square Kilometre Array White Book

Leading rôles in international collaborations:

- Euclid [Theory, Galaxy Clustering, and Weak Lensing Science Working Groups (SWGs)]
 - Euclid Consortium Level 2 Collaborator (>4 FTE)
 - Coordinator, 'Photo-z Clustering' Work Package, Galaxy Clustering SWG
 - Coordinator, 'Dark Matter & Particle Cosmology' Work Package, Theory SWG
 - Coordinator, Work Package 9, Theory-Simulations Joint SWG [expired]
 - Member, Theory WG Editorial Board
 - Member, Euclid Consortium Diversity Committee
 - Winner, Euclid Consortium Logo Competition
- Square Kilometre Array (SKA), Cosmology SWG
 - Chair, Cosmology SWG
 - Coordinator, 'Cosmology on the Largest Scales' Science Case, Cosmology SWG
 - Coordinator, 'Synergies' Focus Group, Cosmology SWG
- Evolutionary Map of the Universe (EMU), Cosmology SWG
- Low Frequency ARray (LOFAR), Surveys Key Science Project

Long-term and major collaborators (full list of referees available in Annex A):

- Prof. R. Maartens (Head of Astrophysics, University of the Western Cape, South Africa)
- Prof. M.G. Santos (University of the Western Cape, South Africa)
- Prof. R. Durrer (University of Geneva, Switzerland)
- Prof. C. Clarkson (Queen Mary University of London, UK)
- Prof. N. Fornengo (Università degli Studi di Torino, Italy)
- Prof. A.F. Heavens (Imperial College London, UK)

Publication metrics:

- h index 29 (ADS)
- >3500 citations
- 2 papers w/ ≥ 500 citations
- 5 papers w/ ≥ 100 citations

Seminars and contributions to conferences and workshops:

- >10 Invited Plenary Conference Talks (KASI Korea, BCCP Berkeley, IPMU Tokyo, ICTP Trieste, Lorentz Center Leiden, DESY Hamburg, COSMO21, Cosmology Dubrovnik 2018, ICGC 2019)
- ~20 Invited Conference Talks
- Invited Lecturer, 7th Astrophysics & Gravitation School (Sept 2014, Lisbon, Portugal)
- Invited Discussion Chair, Beyond Λ CDM Conference (Jan 2015, Oslo, Norway), Fundamental Physics with the SKA (May 2017, Flic-en-Flac, Mauritius)
- >40 invited seminars (Europe, South Africa, Japan, USA)
- >40 public talks in international conferences, workshops and schools
- Chair and Founder, CASTLE (Sept 2018/2021, Tagliolo Monferrato, Italy)
- Chair and Founder, Steering Committee, UniVersum (est. 2017)
- Scientific Organiser, Relativistic Effects in LSS (July 2018, Sexten, Italy)
- Scientific Organiser, Euclid Theory SWG Meeting (May 2014, Marseille, France)
- Scientific Organiser, EWASS Special Session (Apr 2018, Liverpool, UK)
- Local Organiser, IberiCos VIIth (May 2012, Lisbon, Portugal)
- Organiser, JBCA Colloquia, Jodrell Bank Centre for Astrophysics, The University of Manchester

Reviewer's Activity

Peer-reviewed journals:

- Physical Review Letters, APS
- Physical Review D, APS
- Journal of Cosmology and Astroparticle Physics, IOP Science
- Monthly Notices of the Royal Astronomical Society, Oxford University Press
- Classical and Quantum Gravity, IOP Science
- The European Physical Journal C, Springer
- Physics of the Dark Universe, Elsevier
- International Journal of Geometric Methods in Modern Physics, World Scientific
- Galaxies – Open Access Cosmology, Astronomy & Astrophysics Journal, MDPI Open Access Publishing
- Entropy – Open Access Journal, MDPI Open Access Publishing

National research foundations:

- Ministero dell'Istruzione, dell'Università e della Ricerca, Italy
- French National Research Agency, France
- Netherlands Organisation for Scientific Research, The Netherlands
- National Research Foundation, South Africa

Editorial Activity

- Experimental Results (Cambridge University Press), Chief Editor for Physics & Astronomy
- Frontiers in Physics, Topic Editor
- Advances in Astronomy, Guest Editor
- Euclid Consortium Theory SWG, Editor
- SKA Cosmology SWG, Editor

Funding

- Ministero dell'Istruzione, dell'Università e della Ricerca
'PROMETHEUS – Probing and Relating Observables with Multi-wavelength Experiments To Help Enlightening the Universe's Structure'
 - PI Dr Stefano Camera (Università degli Studi di Torino, Italy)
 - Amount: €190,873.66, success rate <8%

- Marie Skłodowska-Curie Actions COFUND AstroFit2 Programme
'ICARUS – Intertwining Cosmology and Astrophysics for Revealing the Universe's Secrets'
 - PI Dr Stefano Camera (Università degli Studi di Torino, Italy)
 - Amount: €174,375.00 , success rate <10%
- Fundação para a Ciência e a Tecnologia (Portugal) grant no. PTDC/FIS-AST/2194/2012
'Towards very high-redshift radio galaxies in the reionisation epoch using ALMA'
 - PI Prof. M.G. Santos (University of the Western Cape, South Africa)
 - Amount: €109,022, rating: 'outstanding'
- Fundação para a Ciência e a Tecnologia (Portugal) grant no. PTDC/FIS/100170/2008
'Path2SKA@PT – On the Pathway to SKA: Science with next generation radio-telescopes'
 - PI Prof. M.G. Santos (University of the Western Cape, South Africa)
 - Amount: €173,000, rating: 'excellent'
- Progetti di Rilevante Interesse Nazionale (Italy) 2010-2012
'Matter-Antimatter asymmetry, dark matter and dark energy in the LHC era'
 - PI Prof. A. Masiero (Università degli Studi di Padova, Italy)
 - Amount: €97,500 (only referring to funds to Università degli Studi di Torino, Italy)
- Progetti di Rilevante Interesse Nazionale (Italy) 2008-2009
'Fundamental Constituents of the Universe'
 - PI Prof. A. Masiero (Università degli Studi di Padova, Italy)
 - Amount: €95,000 (only referring to funds to Università degli Studi di Torino, Italy)

Teaching

Rôle	Associate Professor
Institute	Università degli Studi di Torino, Italy
Period	Second Semester (2017/18, 2018/19, 2019/20, 2020/21)
Course	Physics Laboratory I, BSc Physics

Rôle	Associate Professor
Institute	Università degli Studi di Torino, Italy
Period	Second Semester (2020/21)
Course	Physics with Laboratory, BSc Natural Sciences

Rôle	Invited Professor of Cosmology
Institute	Instituto Superior Técnico, Universidade de Lisboa, Portugal
Period	Spring Term 2013
Course	Astrophysics, MSc Physical and Technological Engineering

Rôle	Teaching Assistant
Institute	Università degli Studi di Torino, Italy
Period	Spring Term 2011
Course	Physics with Elements of Mathematics, MSc Pharmacy

Rôle	Teaching Assistant
Institute	Università degli Studi di Torino, Italy
Period	Winter Term 2010
Course	Electricity & Magnetism, BSc Mathematics

Rôle	Tutor
Institute	Università degli Studi di Torino, Italy
Period	Spring Term 2010
Course	Physics Laboratory II (Waves, Fluids & Thermodynamics), BSc Physics

Rôle	Tutor
Institute	Università degli Studi di Torino, Italy
Period	Winter Term 2009

Course | Physics Laboratory I (Mechanics & Fundamentals of Statistics), BSc Physics

Rôle | Tutor
Institute | Università degli Studi di Torino, Italy
Period | Spring Term 2009
Course | Physics Laboratory IV (Optics), BSc Physics

Rôle | Tutor
Institute | Università degli Studi di Torino, Italy
Period | Winter Term 2008
Course | Physics Laboratory III (Electricity & Magnetism), BSc Physics

Student Supervisioning & Mentoring

Doctoral theses supervised:

- Samantha J. Rossiter (Università degli Studi di Torino, Italy)
- Elena Pinetti, co-supervisioning ongoing (Università degli Studi di Torino, Italy)
- Konstantinos Tanidis (Università degli Studi di Torino, Italy)

Doctoral theses examined:

- Vasco M. C. Ferreira, 2021 (Universidade do Porto, Portugal)
- Goran Jelic-Cizmek, 2021 (University of Geneva, Switzerland)
- Alessandro Casalino, 2021 (Università degli Studi di Trento, Italy)
- Gunnar Riemenschneider, 2021 (Università degli Studi di Torino, Italy)
- Marco Bonici, 2021 (Università degli Studi di Genova, Italy)
- Miguel Méndez-Isla, 2019 (University of Cape Town, South Africa)
- Riccardo Murgia, 2019 (SISSA Trieste, Italy)
- Teboho Molohi, 2019 (University of Cape Town, South Africa)
- Sheean Jolicoeur, 2019 (University of the Western Cape, South Africa)

Masters' theses supervised:

- A. Suriano, S. Sacquegna, M. Borchiellini, N. Dalmaso, ongoing (Università degli Studi di Torino, Italy)
- A.M. Rubiola, D. Usseglio, 2020 (Università degli Studi di Torino, Italy)
- A. Bonino, G. Berardi, G. Faggioli, 2019 (Università degli Studi di Torino, Italy)
- Elena Pinetti, 2018 (Università degli Studi di Torino, Italy)

Outreach

- TEDx speaker (https://youtu.be/_3lOjpSGFqY)
- Tutor in science centres, museums, CERN Masterclass, and 4 years at Planetarium of Turin (Italy)
- Radio and television interviews and dedicated programmes
- Organiser of the European Research Night in Turin, Italy (more than 5 editions)
- Seminars in Italy, UK, Portugal, and developer of thematic scientific exhibitions

Language Skills

Italian (native speaker), English, Portuguese, French, Spanish (beginner).

Annex A – References

- Prof. Roy Maartens
Head of Astrophysics, Astrophysics, Physics Department, University of the Western Cape
Cape Town 7535, South Africa
E-mail: roy.maartens@gmail.com
- Prof. Mário G. Santos
Astrophysics, Physics Department, University of the Western Cape
Cape Town 7535, South Africa
E-mail: mariogrs@gmail.com
- Prof. Alan F. Heavens
Director of Imperial Centre for Cosmology & Gravitation, Astrophysics, Imperial College London
Blackett Laboratory, Prince Consort Road, London SW7 2AZ, UK
E-mail: a.heavens@imperial.ac.uk
- Prof. Michael L. Brown
Jodrell Bank Centre for Astrophysics, School of Physics & Astronomy, The University of Manchester
Alan Turing Building, Oxford Road, Manchester M13 9PL, UK
E-mail: m.l.brown@manchester.ac.uk
- Prof. Antonaldo Diaferio
Dipartimento di Fisica, Università degli Studi di Torino
Via Pietro Giuria 1, 10125 Torino, Italy
E-mail: antonaldo.diaferio@ph.unito.it
- Prof. Nicolao Fornengo
Dipartimento di Fisica, Università degli Studi di Torino
Via Pietro Giuria 1, 10125 Torino, Italy
E-mail: nicolao.fornengo@to.infn.it
- Prof. Lauro Moscardini
Dipartimento di Fisica e Astronomia, Alma Mater Studiorum Università di Bologna
Viale Berti Pichat 6/2, 40127 Bologna, Italy
E-mail: lauro.moscardini@unibo.it
- Dr Thomas D. Kitching
Mullard Space Science Laboratory, University College London
Holmbury Hill Road, Dorking, Surrey, RH5 6NT, UK
E-mail: t.kitching@ucl.ac.uk

Annex B – List of Publications

Peer-reviewed publications (excluding non-first-tier Euclid Consortium publications):

75. Maartens, Fonseca, Camera, Jolicoeur, Viljoen & Clarkson
Magnification and evolution biases in large-scale structure surveys
Journal of Cosmology and Astroparticle Physics (2021, submitted) [arXiv:2107.13401]
74. Martinelli, Dalal, Majidi, Akrami, Camera & Sellentin
Ultra-large-scale approximations and galaxy clustering: debiasing constraints on cosmological parameters
Monthly Notices of the Royal Astronomical Society (2021, submitted) [arXiv:2106.15604]
73. Tanidis & Camera
Model-independent constraints on clustering and growth of cosmic structures from BOSS DR12 galaxies in harmonic space
Monthly Notices of the Royal Astronomical Society (2021, submitted) [arXiv:2107.00026]
72. Paribelli, Scelfo, Giri, Schneider, Archidiacono, Camera & Viel
Mixed dark matter: matter power spectrum and halo mass function
Journal of Cosmology and Astroparticle Physics (2021, submitted) [arXiv:2106.04588]
71. Jolicoeur, Maartens, De Weerd, Umeh, Clarkson & Camera
Detecting the relativistic bispectrum in 21 cm intensity maps
Journal of Cosmology and Astroparticle Physics 06, 039 (2021)
70. Umeh, Maartens, Padmanabhan & Camera
The effect of finite halo size on the clustering of neutral hydrogen
Journal of Cosmology and Astroparticle Physics 06, 027 (2021)
69. Karagiannis, Fonseca, Maartens & Camera
Probing primordial non-Gaussianity with the power spectrum and bispectrum of future 21 cm intensity maps
Physics of the Dark Universe 32, 100821 (2021)
68. Montanari & Camera
Speeding up the detectability of the harmonic-space galaxy bispectrum
Journal of Cosmology and Astroparticle Physics 01, 002 (2021)
67. Bonino, Camera, & Fatibene
Solar System tests in Brans-Dicke and Palatini $f(R)$ -theories
The European Physical Journal Plus 135, 951 (2021)
66. Tanidis & Camera
Developing a unified pipeline for large-scale structure data analysis with angular power spectra – III. Implementing the multi-tracer technique to constrain neutrino masses
Monthly Notices of the Royal Astronomical Society (2021, in press) [arXiv:2009.05584]
65. Cunnington, Camera & Poursidou
The degeneracy between primordial non-Gaussianity and foregrounds in 21cm intensity mapping experiments
Monthly Notices of the Royal Astronomical Society 499, 4054 (2020)
64. Urban, Camera & Alonso
Detecting ultra-high energy cosmic ray anisotropies through cross-correlations
Journal of Cosmology and Astroparticle Physics (2020, submitted) [arXiv:2005.00244]
63. Yahia-Cherif, Blanchard, Camera, Ilic, Markovic, Poursidou, Sakr, Sapone & Tutusaus
Validating the Fisher approach for stage IV spectroscopic surveys
Astronomy & Astrophysics (2020, submitted) [arXiv:2007.01812]
62. Tutusaus, Martinelli, Cardone, Camera et al. (Euclid Consortium)
Euclid: The importance of galaxy clustering and weak lensing cross-correlations within the photometric Euclid survey
Astronomy & Astrophysics 649, A52 (2021)
61. Martinelli, Tutusaus, Archidiacono, Camera et al. (Euclid Consortium)
Euclid: Impact of non-linear and baryonic feedback prescriptions on cosmological parameter estimation from weak lensing cosmic shear
Astronomy & Astrophysics 649, A100 (2021)

60. Deshpande, Kitching, Cardone, Taylor, Casas, Camera et al. (Euclid Consortium)
Euclid: The reduced shear approximation and magnification bias for Stage IV cosmic shear experiments
Astronomy & Astrophysics 636, A95 (2020)
59. Harrison, Camera et al. (SuperCLASS Collaboration)
SuperCLASS – III. Weak lensing from radio and optical observations in Data Release 1
Monthly Notices of the Royal Astronomical Society 495, 1737 (2020)
58. Battye, Camera et al. (SuperCLASS Collaboration)
SuperCLASS – I. The Super CLuster Assisted Shear Survey: Project overview and Data Release 1
Monthly Notices of the Royal Astronomical Society 495, 1706 (2020)
57. Blanchard, Camera et al. (Euclid Consortium)
Euclid preparation: VII. Forecast validation for Euclid cosmological probes
Astronomy & Astrophysics 642, A191 (2019)
56. Pinetti, Camera, Fornengo & Regis
Synergies across the spectrum for particle dark matter indirect detection: how HI intensity mapping meets gamma rays
Journal of Cosmology and Astroparticle Physics 07, 044 (2020)
55. Maartens, Jolicoeur, Umeh, Clarkson, De Weerd & Camera
Detecting the relativistic galaxy bispectrum
Journal of Cosmology and Astroparticle Physics 03, 065 (2020)
54. Gomes, Camera, Jarvis, Hale & Fonseca
Non-Gaussianity Constraints using Future Radio Continuum Surveys and the Multi-Tracer Technique
Monthly Notices of the Royal Astronomical Society 492, 1513(2020)
53. Fonseca & Camera
High-redshift cosmology with oxygen lines from Ha surveys
Monthly Notices of the Royal Astronomical Society 495, 1340 (2020)
52. Weltman et al. (Camera as editor)
Fundamental Physics with the Square Kilometre Array
Publications of the Astronomical Society of Australia 37, eoo2 (2020)
51. Camera & Padmanabhan
Beyond Λ CDM with HI intensity mapping: robustness of cosmological constraints in the presence of astrophysics
Monthly Notices of the Royal Astronomical Society 496, 4115 (2020)
50. Ammazzalorso, Camera et al.
Detection of cross-correlation between gravitational lensing and gamma rays
Physical Review Letters 124, 101102 (2020)
49. Tanidis, Camera & Parkinson
Developing a unified pipeline for large-scale structure data analysis with angular power spectra – II. A case study for magnification bias and radio continuum surveys
Monthly Notices of the Royal Astronomical Society 491, 4869 (2019)
48. Tanidis & Camera
Developing a unified pipeline for large-scale structure data analysis with angular power spectra – I. The importance of redshift-space distortions for galaxy number counts
Monthly Notices of the Royal Astronomical Society 489, 3385 (2019)
46. Colavincenzo, Tan, Ammazzalorso, Camera, Regis, Xia & Fornengo
Searching for gamma-ray emission from galaxy clusters at low redshift
Monthly Notices of the Royal Astronomical Society 491, 3225 (2019)
45. Del Vecchio, Fatibene, Capozziello, Ferraris, Pinto & Camera
Hubble drift in Palatini $f(R)$ -theories
The European Physical Journal Plus 134, 5 (2019)
44. Camera Martinelli & Bertacca
Does quartessence ease tensions?
Physics of the Dark Universe 23, 100247 (2017)

43. Bacon et al. (Camera as editor)
Cosmology with Phase 1 of the Square Kilometre Array – Red Book 2018: Technical specifications and performance forecasts
Publications of the Astronomical Society of Australia 37, e007 (2020)
41. Amendola et al. (Camera as corresponding author and member of Editorial Board)
Cosmology and Fundamental Physics with the Euclid Satellite
Living Reviews in Relativity 21, 2 (2018)
40. Camera, Fonseca, Maartens & Santos
Optimised angular power spectra for spectroscopic galaxy surveys
Monthly Notices of the Royal Astronomical Society 481, 1251 (2018)
39. De Angelis et al.
Science with e-ASTROGAM – A space mission for MeV-GeV gamma-ray astrophysics
Journal of High Energy Astrophysics 19, 1(2018)
38. Thomas, Whittaker, Camera & Brown
Estimating the weak-lensing rotation signal in radio cosmic shear surveys
Monthly Notices of the Royal Astronomical Society 470, 3131 (2017)
37. Tröster, Camera, Fornasa, Regis, van Waerbeke, Harnois-Déraps, Ando, Bilicki, Erben, Fornengo, Heymans, Hildebrandt, Hoekstra, Kuijken & Viola
Cross-correlation of weak Lensing and gamma rays: implications for the nature of dark matter
Monthly Notices of the Royal Astronomical Society 467, 2706 (2017)
36. Branchini, Camera, Cuoco, Fornengo, Regis, Viel & Xia
Cross-correlating the gamma-ray sky with catalogs of galaxy clusters
The Astrophysical Journal Supplement Series 228, 8 (2017)
35. Camera, Harrison, Bonaldi & Brown
SKA weak lensing – III. Added value of multi-wavelength synergies for the mitigation of systematics
Monthly Notices of the Royal Astronomical Society 464, 4747 (2017)
34. Bonaldi, Harrison, Camera & Brown
SKA weak lensing – II. Simulated performance and survey design considerations
Monthly Notices of the Royal Astronomical Society 463, 3686 (2016)
33. Harrison, Camera, Zuntz & Brown
SKA weak lensing – I. Cosmological forecasts and the power of radio-optical cross-correlations
Monthly Notices of the Royal Astronomical Society 463, 3674 (2016)
32. Bull et al.
Beyond Λ CDM: Problems, solutions, and the road ahead
Physics of the Dark Universe 12, 56 (2016)
31. Fonseca, Camera, Santos & Maartens
Hunting Down Horizon-Scale Effects with Multi-Wavelength Surveys
The Astrophysical Journal Letters 812, L22 (2015)
30. Camera, Fornasa, Fornengo & Regis
Tomographic-spectral approach for dark matter detection in the cross-correlation between cosmic shear and diffuse γ -ray emission
Journal of Cosmology and Astroparticle Physics 06, 029 (2015)
29. Camera, Maartens & Santos
Einstein's Legacy in Galaxy Surveys
Monthly Notices of the Royal Astronomical Society: Letters 451, L80 (2015)
28. Camera et al.
Cosmology on the Largest Scales with the SKA
Proceedings of Science AASKA14, 025 (2015)
27. Bull, Camera, Raccañelli et al.
Measuring baryon acoustic oscillations in future SKA surveys
Proceedings of Science AASKA14, 024 (2015)

26. Raccanelli, Bull, Camera et al.
Measuring redshift-space distortions in future SKA surveys
Proceedings of Science AASKA14, 031 (2015)
25. Brown, Bacon, Camera et al.
Weak Gravitational Lensing with the SKA
Proceedings of Science AASKA14, 023 (2015)
24. Abdalla, Bull, Camera et al.
Cosmology from HI galaxy surveys with the SKA
Proceedings of Science AASKA14, 017 (2015)
23. Santos, Bull, Alonso, Camera et al.
Cosmology from a SKA HI intensity mapping survey
Proceedings of Science AASKA14, 019 (2015)
22. Bacon, Bridle, Abdalla, Brown, Bull, Camera et al.
Synergy between the LSST and the SKA
Proceedings of Science AASKA14, 145 (2015)
21. Fornengo, Perrotto, Regis & Camera
Evidence of Cross-Correlation Between the CMB Lensing and the γ -Ray Sky
The Astrophysical Journal Letters 802, L1 (2015)
20. Camera, Carbone, Fedeli & Moscardini
Neglecting Primordial non-Gaussianity Threatens Future Cosmological Experiment Accuracy
Physical Review D91, 043533 (2015)
19. Camera, Santos & Maartens
Probing primordial non-Gaussianity with SKA galaxy redshift surveys: a fully relativistic analysis
Monthly Notices of the Royal Astronomical Society 448, 1035 (2015)
18. Cardone, Camera, Sereno, Govone, Maoli & Scaramella
Mass-concentration relation and weak lensing peak counts
Astronomy & Astrophysics 574, a141 (2015)
17. Raccanelli, Doré, Bacon, Maartens, Santos, Camera, Davis, Drinkwater, Jarvis, Norris & Parkinson
Probing primordial non-Gaussianity via iSW measurements with SKA continuum surveys
Journal of Cosmology and Astroparticle Physics 01, 042 (2015)
16. Ferramacho, Santos, Jarvis & Camera
Radio galaxy populations and the multitracer technique: pushing the limits on primordial non-Gaussianity
Monthly Notices of the Royal Astronomical Society 442, 2511 (2014)
15. Camera, Fedeli & Moscardini
Magnification bias as a novel probe for primordial magnetic fields
Journal of Cosmology and Astroparticle Physics 03, 027 (2014)
14. Camera, Cardone & Radicella
Detectability of torsion gravity via galaxy clustering and cosmic shear measurements
Physical Review D89, 083520 (2014)
13. Camera, Santos, Ferreira & Ferramacho
Cosmology on Ultralarge Scales with Intensity Mapping of the Neutral Hydrogen 21 cm Emission: Limits on Primordial Non-Gaussianity
Physical Review Letters 111, 171302 (2013)
12. Amendola et al. (Camera as corresponding author and member of Editorial Board)
Cosmology and Fundamental Physics with the Euclid Satellite
Living Reviews in Relativity 16, 6 (2013)
11. Camera, Fornasa, Fornengo & Regis
A Novel Approach in the Weakly Interacting Massive Particle Quest: Cross-correlation of Gamma-Ray Anisotropies and Cosmic Shear
The Astrophysical Journal Letters 771, L5 (2013)
10. Camera & Nishizawa

- Beyond Concordance Cosmology with Magnification of Gravitational-Wave Standard Sirens
Physical Review Letters 110, 151103 (2013)
9. Cardone, Camera, Mainini, Romano, Diaferio, Maoli & Scaramella
Weak lensing peak count as a probe of $f(R)$ theories
Monthly Notices of the Royal Astronomical Society 430, 2896 (2013)
 8. Camera, Santos, Bacon, Jarvis, McAlpine, Norris, Raccanelli & Röttgering
Impact of redshift information on cosmological application with next-generation radio surveys
Monthly Notices of the Royal Astronomical Society 427, 2079 (2012)
 7. Cardone, Radicella & Camera
Accelerating $f(T)$ gravity models constrained by recent cosmological data
Physical Review D85, 124007 (2012)
 6. Camera, Carbone & Moscardini
Inclusive constraints on unified dark matter models from future large-scale surveys
Journal of Cosmology and Astroparticle Physics 03, 039 (2012)
 5. Cardone, Camera & Diaferio
An updated analysis of two classes of $f(R)$ theories of gravity
Journal of Cosmology and Astroparticle Physics 02, 030 (2012)
 4. Camera, Kitching, Heavens, Bertacca & Diaferio
Measuring unified dark matter with 3D cosmic shear
Monthly Notices of the Royal Astronomical Society 415, 399 (2011)
 3. Camera, Diaferio & Cardone
Tomography from the next generation of cosmic shear experiments for viable $f(R)$ models
Journal of Cosmology and Astroparticle Physics 07, 016 (2011)
 2. Camera, Diaferio & Cardone
Testing a phenomenologically extended DGP model with upcoming weak lensing surveys
Journal of Cosmology and Astroparticle Physics 01, 029 (2011)
 1. Camera, Bertacca, Diaferio, Bartolo & Matarrese
Weak lensing signal in unified dark matter models
Monthly Notices of the Royal Astronomical Society 399, 1995 (2009)

Conference proceedings:

10. Camera, Santos, Ferreira & Maartens
Cosmology on the Largest Scales with Intensity Mapping
Journal of Physics: Conference Series 566, 012004 (2014)
9. Santos, Alonso, Bull, Camera & Ferreira
21cm Cosmology
Proceedings of the International Astronomical Union, IAU Symposium S306, 165 (2014)
8. Camera
Detecting Particle Dark Matter Signatures via Cross-Correlation of Gamma-Ray Anisotropies and Cosmic Shear
Proceedings of the International Astronomical Union, IAU Symposium S306, 110 (2014)
7. Camera
Detecting WIMP Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies and Cosmic Shear
Proceedings of the 49th Rencontres de Moriond Cosmology (2014)
6. Radicella, Cardone & Camera
Accelerating $f(T)$ Gravity Models Constrained by Recent Cosmological Data
Springer Proceedings in Mathematics and Statistics 60, 367 (2014)
5. Camera
Peering into the Past – Cosmology as a Tool for Constraining GR
European Physics Journal Web of Conferences 58, 02011 (2013)

4. Camera
The Power of Future Large-Scale Surveys in Probing Alternative Cosmologies
Proceedings of Testing Gravity with Astrophysical and Cosmological Observation, Tokyo (2012)
3. Camera
Power of Weak Lensing in Constraining Modified Matter and Gravity Theories
Proceedings of Cosmo 11, International Conference on Particle Physics and Cosmology (2011)
2. Camera, Kitching, Heavens, Bertacca & Diaferio
Measuring unified DM and DE properties with 3D cosmic shear
Proceedings of the XLVth Rencontres de Moriond Cosmology, 349 (2010)
1. Camera
Constraining unified dark matter models with weak lensing
Annalen der Physik 19, 328 (2010)

Annex C – Seminars

- TBD
EAIFR, ICTP East African Institute for Fundamental Research (Kigali, Rwanda, TBD 2022)
- TBD
School of Physics & Astronomy, Cardiff University (Cardiff, UK, TBD 2021)
- Radio cosmology and the SKAO
Astroparticle and Cosmology Laboratory, University of Paris (Paris, France, 31st May 2021)
- Intertwining cosmology and astrophysics for indirect dark matter detection
Astronomical Observatory of Leiden (Leiden, The Netherlands, 26th Mar 2021)
- Synergic cosmology across the spectrum
Dipartimento di Fisica “G. Galilei”, Università degli Studi di Padova (Padova, Italy, 31st Sept 2019)
- Synergic cosmology across the spectrum
Institute of Physics, Czech Academy of Sciences (Prague, Czech Republic, 14th Mar 2019)
- Synergic cosmology across the spectrum
University Observatory Munich, Ludwig-Maximillian Universität (Munich, Germany, 19th Dec 2018)
- Synergic cosmology across the spectrum
Queen Mary University of London (London, UK, 20th Nov 2018)
- Synergic cosmology across the spectrum
Oskar Klein Centre, Stockholm University (Stockholm, Sweden, 10th Apr 2018)
- Fundamental cosmology with multi-wavelength synergies
Dipartimento di Fisica e Astronomia, Alma Mater Studiorum Università di Bologna (Bologna, Italy, 9th Nov 2017)
- Synergistic cosmology across the spectrum
Instituut-Lorentz, Leiden University (Leiden, The Netherlands, 18th Oct 2017)
- Fundamental cosmology with multi-wavelength synergies
Department of Physics, Helsinki University (Helsinki, Finland, 24th May 2017)
- Synergistic cosmology across the spectrum
Department of Physics, Jyväskylä University (Jyväskylä, Finland, 22nd May 2017)
- Fundamental cosmology with multi-wavelength synergies
INAF, Osservatorio Astrofisico di Torino (Pino Torinese, Italy, 23rd Apr 2017)
- Fundamental cosmology with multi-wavelength synergies
Dipartimento di Fisica, Università degli Studi di Torino (Torino, Italy, 24th Mar 2017)
- Light from Dark (Matter) with Multi-Wavelength Synergies
California Institute of Technology (Pasadena, USA, 17th Jan 2017)
- Einstein’s Legacy in Cosmological Surveys
Department of Physics, Queen Mary University of London (London, UK, 26th Oct 2016)
- Multi-Wavelength Techniques To Test the Fundamentals of Cosmology
Scuola Internazionale Superiore di Studi Avanzati (Trieste, Italy, 21st June 2016)

- Multi-Wavelength Techniques To Test the Fundamentals of Cosmology
Physics Department, University of the Western Cape (Cape Town, South Africa, 4th Mar 2016)
- Detecting Particle Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies and Cosmic Shear
South African Astronomical Observatory (Cape Town, South Africa, 2nd Mar 2016)
- Multi-Wavelength Techniques To Test the Fundamentals of Cosmology
Astrophysics Cosmology and Gravity Center, University of Cape Town (Cape Town, South Africa, 1st Mar 2016)
- Multi-Wavelength Techniques To Test the Fundamentals of Cosmology
Mullard Space Science Laboratory, University College London (Guildford, UK, 11th Feb 2016)
- Multi-Wavelength Techniques To Test the Fundamentals of Cosmology
INAF, Osservatorio Astronomico di Brera (Merate, Italy, 9th Dec 2015)
- Innovative Techniques To Test the Fundamentals of Cosmology
GRAPPA Institute, University of Amsterdam (Amsterdam, Netherlands, 20th Nov 2015)
- Gravitational Lenses & Gamma-Ray Light To Reveal Dark Matter Particles
Astronomy Society, University of Cambridge (Cambridge, UK, 9th Nov 2015)
- Innovative Techniques To Test the Fundamentals of Cosmology
Beecroft Institute of Particle Astrophysics & Cosmology, University of Oxford (Oxford, UK, 5th Nov 2015)
- The Dark Universe
Yamanashi Gakuin University, International College of Liberal Arts (Kōfu, Japan, 20th Oct 2015)
- Innovative Techniques To Test the Fundamentals of Cosmology
Theory Division, CERN (Geneva, Switzerland, 17th June 2015)
- Cosmology on the Largest Scales
INAF, Osservatorio Astronomico di Trieste (Trieste, Italy, 11th May 2015)
- Gravitational Lenses & Gamma-Ray Light To Reveal Dark Matter Particles
Astronomy Society, The University of Manchester (Manchester, UK, 18th Mar 2015)
- Cosmology on the Largest Scales
Department of Physics & Astronomy, University College London (London, UK, 26th Jan 2015)
- Cosmology on the Largest Scales
Institute for Cosmology & Gravitation, University of Portsmouth (Portsmouth, UK, 22nd Jan 2015)
- Cosmology on the Largest Scales
Faculdade de Ciências, Universidade do Porto (Porto, Portugal, 10th Oct 2014)
- Detecting Particle Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies and Cosmic Shear
CENTRA, Instituto Superior Técnico, Universidade de Lisboa (Lisboa, Portugal, 9th Oct 2014)

- Cosmology on the Largest Scales
Dipartimento di Fisica, Università degli Studi di Torino (Torino, Italy, 7th July 2014)
- Pushing the Limits on Non-Gaussianity: Cosmology on Ultralarge Scales with HI Intensity Mapping
CENTRA, Instituto Superior Técnico, Universidade de Lisboa (Lisboa, Portugal, 6th Mar 2014)
- Cosmology on Ultralarge Scales with Intensity Mapping of Neutral Hydrogen Emission
Physics Department, University of the Western Cape (Cape Town, South Africa, 28th Feb 2014)
- Detecting Particle Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies and Cosmic Shear
Astrophysics Cosmology and Gravity Center, University of Cape Town (Cape Town, South Africa, 26th Feb 2014)
- Cosmology on Ultralarge Scales with Intensity Mapping of Neutral Hydrogen Emission
African Institute for Mathematical Studies (Cape Town, South Africa, 21st Feb 2014)
- Detecting Particle Dark Matter Signatures by Cross-Correlating Gamma Rays and Gravitational Lensing
Dipartimento di Fisica, Università degli Studi di Genova (Genova, Italy, 16th Jan 2014)
- Cosmology on Ultralarge Scales with Intensity Mapping of Neutral Hydrogen Emission
Faculdade de Ciências, Universidade de Lisboa (Lisboa, Portugal, 9th Dec 2013)
- Cosmology on Ultralarge Scales with Intensity Mapping of the Neutral Hydrogen 21 cm Emission
Astroparticle and Cosmology Laboratory, University of Paris VII (Paris, France, 2nd Dec 2013)
- Cosmology as a Tool for Testing the Law of Gravity
GRAPPA Institute, University of Amsterdam (Amsterdam, Netherlands, 16th May 2013)
- Cosmology as a Tool for Testing the Law of Gravity
School of Physics and Astronomy, University of Nottingham (Nottingham, UK, 13th Mar 2013)
- Beyond the Concordance Cosmological Model with Forthcoming Wide-Field Radio Surveys
Institut d'Astronomie et Astrophysique, Université Libre de Bruxelles (Bruxelles, Belgium, 15th May 2012)
- Beyond the Concordance Cosmological Model with Forthcoming Wide-Field Radio Surveys
Centre CP3, Université Catholique de Louvain (Louvain-la-Neuve, Belgium, 14th May 2012)
- The Potential of Future Large-Scale Surveys in Probing Alternative Cosmologies
Dipartimento di Scienza Applicata e Tecnologia, Politecnico di Torino (Torino, Italy, 14th Mar 2012)
- Beyond the Concordance Cosmological Model with Forthcoming Wide-Field Radio Surveys
Dipartimento di Fisica, Università degli Studi di Torino (Torino, Italy, 13th Mar 2012)
- The Potential of Future Large-Scale Surveys in Probing Alternative Cosmologies
Yukawa Institute for Theoretical Physics, University of Kyoto (Kyoto, Japan, 30th Jan 2012)

- Concordance Cosmological Model Faces Oncoming Wide-Field Radio Surveys
Dipartimento di Astronomia, Università di Bologna (Bologna, Italy, 13th Dec 2011)
- Concordance Cosmology Faces Oncoming Wide-Field Radio Surveys
Centro de Astronomia e Astrofísica da Universidade de Lisboa (Lisboa, Portugal, 21st Nov 2011)
- Unified Dark Matter Models Facing Current and Upcoming Observations
Departamento de Física Teórica I, Universidad Complutense (Madrid, Spain, 1st June 2011)
- Constraining Unified Dark Matter Models with Cosmic Shear
Department of Physics and Astronomy, University College London (London, UK, 4th Apr 2011)
- Testing Alternative Cosmological Models with Cosmic Shear
CENTRA, Instituto Superior Técnico, Universidade Técnica de Lisboa (Lisbon, Portugal, 22nd Mar 2011)
- Weak lensing signal in unified dark matter models
Institute for Astronomy, University of Edinburgh (Edinburgh, UK, 11th Aug 2009)
- Weak lensing signal in unified dark matter models
Dipartimento di Fisica Generale 'A. Avogadro', Università degli Studi di Torino (Torino, Italy, 25th Feb 2009)

Annex D – Contributions to Conferences, Workshops, & Schools

- [Invited Talk]
TBD
Prague Synergies 2021 Winter Workshop (Prague, Czech Republic, 8th Dec 2021)
- Ultra-high energy cosmic rays in harmonic space
International Cosmic Ray Conference 2021 (Berlin, Germany, 17th July 2021)
- Synergistic cosmology across the spectrum
Roman Information Sessions (remote, 6th July 2021)
- [Invited Talk]
Dark matter and neutrinos in cosmology
GOLD2020 – Theory and interpretation of the data WS (Paris, France, 27th May 2020)
- [Invited Talk]
Upcoming large scale structure surveys and implications for cosmology
9th International Conference on Gravitation and Cosmology (IISER Mohali, India, 11th Dec 2019)
- [Invited Talk]
Synergistic cosmology across the spectrum
The Correlated Universe (Jeju Island, South Korea, 24th Apr 2019)
- Novel approaches to spectroscopic galaxy clustering
Euclid Consortium Theory SWG Meeting (Oxford, UK, 8th Mar 2019)
- Synergic cosmology across the spectrum
Euclid and Beyond (Rome, Italy, 12th Feb 2019)
- [Invited Talk]
My 10 CAUSTIC years
CAUSTIC 0.4 Silver Jubilee (Turin, Italy, 7th Jan 2019)
- [Invited Talk]
Cosmology with the SKA
II National SKA Science and Technology Meeting (Bologna, Italy, 4th Dec 2018)
- Optimised angular spectra for spectroscopic galaxy surveys
Euclid Consortium Galaxy Clustering SWG Meeting (Milan, Italy, 3rd Dec 2018)
- [Invited Talk]
Cosmology and fundamental physics with Euclid and the SKA
Cosmology 2018 in Dubrovnik (Dubrovnik, Croatia, 24th Oct 2018)
- [Invited Talk]
Novel synergies for fundamental cosmology
From Dark Energy to Bright Synergies (Sexten, Italy, 24th July 2018)
- Optimised angular spectra for spectroscopic surveys
General relativistic effects in cosmological large-scale structure (Sexten, Italy, 16th July 2018)

- [Invited Talk]
Synergic cosmology across the spectrum
Paving the way for next generation cosmological surveys (Sexten, Italy, 2nd July 2018)
- [Invited Talk]
Intensity Mapping
Venice Cosmology Meeting (Venice, Italy, 5th June 2018)
- [Invited Talk]
Cosmology with radio surveys
COSMO21 – Statistical Challenges in 21st Century Cosmology (Valencia, Spain, 23rd May 2018)
- WP3 – Dark Matter and Particle Cosmology
Euclid Theory SWG Meeting (Paris, France, 17th Apr 2018)
- Cosmological and Astrophysical Synergies for Indirect Dark Matter Detection
53rd Rencontres de Moriond, Cosmology 2018 (La Thuile, Italy, 20th Mar 2018)
- Optimised angular power spectra for spectroscopic galaxy surveys
29th International Texas Symposium on Relativistic Astrophysics (Cape Town, South Africa, 5th Dec 2017)
- Particle dark matter searches with e-ASTROGAM
Towards a White Book on MeV Gamma-ray Astrophysics (Munich, Germany, 14th Oct 2017)
- Fundamental Cosmology with Observational Synergies
Fundamental Physics with the SKA (Flic-en-Flac, Mauritius, 2nd May 2017)
- [Invited Talk]
Multi-wavelength cosmology on horizon scales
General Relativistic Effects in Galaxy Surveys (Cape Town, South Africa, 13th Feb 2017)
- [Invited Talk]
Cosmology with Multi-Wavelength Synergies for Neutral Hydrogen Surveys
Cosmology with Neutral Hydrogen (BCCP Berkeley, USA, 12th Jan 2017)
- Optical-Radio Synergies for Cosmic Shear Without Systematic Effects
Euclid-UK 2016 (London, UK, 16th Dec 2016)
- [Invited Lecture Series (declined)]
Cosmology with Cross-Correlations
10th TRR33 Winter School (Passo del Tonale, Italy, 2nd–8th Dec 2016)
- Multi-Wavelength Synergies with Radio Surveys
SKA 2016: Science for the SKA generation (Goa, India, 7th Nov 2016)
- [Invited Talk]
Light from Dark (Matter) via Multi-Wavelength Synergies
Rethinking Quantum Field Theory (DESY Hamburg, Germany, 28th Sept 2016)
- [Invited Plenary Talk]
Multi-Wavelength Synergies for Radio Surveys
Workshop on Cosmology with Next Generation Radio Surveys (ICTP Trieste, Italy, 20th June 2016)

- [Invited Talk]
Anisotropies & Inhomogeneities on the Largest Cosmic Scales
2nd Anisotropic Universe, Unveiling the Anisotropic Universe (Amsterdam, Netherlands, 11th Apr 2016)
- Intensity Mapping and the Multi-Tracer Technique To Detect Horizon Scale Effects
51th Rencontres de Moriond, Cosmology 2016 (La Thuile, Italy, 25th Mar 2016)
- Gamma Rays & Cosmic Shear To Probe the Particle Nature of Dark Matter
Euclid: UK Annual Meeting (Royal Observatory Edinburgh, Scotland, 17th Dec 2015)
- [Invited Plenary Talk]
Multi-Wavelength Synergies To Test the Fundamentals of Cosmology
Cosmological Tests of Gravity Workshop (Lorentz Center Leiden, Netherlands, 17th Nov 2015)
- [Invited Plenary Talk]
Indirect Dark Matter Detection with Astrophysical and Cosmological Cross-Correlations
IPMU Workshop on Astrophysics of Dark Matter (Tokyo, Japan, 13th-16th Oct 2015)
- [Invited Plenary Talk]
Cosmology with Gravitational Waves as Standard Sirens
2nd eLISA Cosmology WG Workshop (Stavanger, Norway, 22nd-25th Sept 2015)
- Cosmology on the Largest Scales
COSMO 15 – International Conference on Particle Physics and Cosmology (Warsaw, Poland, 9th Sept 2015)
- Detecting Particle Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies with Weak Lensing
COSMO 15 – International Conference on Particle Physics and Cosmology (Warsaw, Poland, 8th Sept 2015)
- [Invited Talk]
Detecting Particle Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies with Weak Lensing
TAUP 2015 – XIV International Conference on Topics in Astroparticle & Underground Physics (Torino, Italy, 6th Sept 2015)
- [Invited Talk]
Radio as a Unique Probe to Access the Largest Cosmic Scales
National Astronomy Meeting (Llandudno, UK, 6th July 2015)
- [Invited Talk]
Ultra-Large Scale Cosmology
Advanced Workshop on Cosmological Structures (ICTP Trieste, Italy, 14th May 2015)
- Cosmology on the Largest Scales
UK Cosmology Meetings (London, UK, 27th Feb 2015)
- Cosmology on the Largest Scales
Euclid Theory SWG Meeting (Oslo, Norway, 13th Jan 2015)
- [Invited Talk]
Gravity on the Largest Cosmic Scales with Forthcoming Experiments

XXI Conferenza SIGRAV Relatività Generale e Fisica della Gravitazione (Alessandria, Italy, 19th Sept 2014)

- [Invited Talk]
Cosmology on the Largest Scales with Intensity Mapping
5th Young Researcher Meeting (Trieste, Italy, 14th July 2014)
- [Invited Talk]
Cosmology on the Largest Scales
Advancing Astrophysics with the Square Kilometre Array (Giardini Naxos, Italy, 8th June 2014)
- [Invited Talk]
WIMP Signatures in Cross-Correlation of Gamma-Ray Anisotropies and Weak Gravitational Lensing
10th MultiDark Consolider Workshop (Valencia, Spain, 3rd Apr 2014)
- Detecting WIMP Dark Matter Signatures by Cross-Correlating Gamma-Ray Anisotropies and Cosmic Shear
49th Rencontres de Moriond, Cosmology 2014 (La Thuile, Italy, 24th Mar 2014)
- [Invited Talk]
Detections of WIMP Signatures via Cosmic Shear – Gamma Ray Tomography Anisotropic Universe, From Microwaves to Ultrahigh Energies (Amsterdam, Netherlands, 27th Sept 2013)
- Cosmology as a Tool for Testing the Law of Gravity
Synergistic Science with Euclid and the Square Kilometre Array (Oxford, UK, 18th Sept 2013)
- A Novel Approach in the WIMP Quest: Cross-Correlation of Gamma-Ray Anisotropies and Cosmic Shear
Euclid Mission Conference (Leiden, Netherlands, 15th May 2013)
- [Invited Talk]
Peering into the past: Cosmology as a tool for testing GR
The Time Machine Factory (Torino, Italy, 18th Oct 2012)
- Impact of z-Information upon Cosmology with Next-Generation Radio Surveys
XXII Encontro Nacional de Astronomia e Astrofísica (Porto, Portugal, 25th Sept 2012)
- Tasting Cosmic Flexion for Cosmological Applications
XCVIII Congresso Nazionale della Società Italiana di Fisica (Napoli, Italy, 18th Sept 2012)
- Tasting Cosmic Flexion for Cosmological Applications
Euclid Theory WG Meeting (Copenhagen, Denmark, 17th May 2012)
- The Potential of Future Large-Scale Surveys in Probing Alternative Cosmologies
Testing Gravity with Astrophysical and Cosmological Observations (Kashiwa, Japan, 24th Jan 2012)
- Power of Weak Lensing in Constraining Modified Matter and Gravity Theories
COSMO 11 – International Conference on Particle Physics and Cosmology (Porto, Portugal, 25th Aug 2011)

- Alternative Cosmology with Cosmic Shear
The Nature of Dark Energy (Madrid, Spain, 30th May 2011)
- Constraining modified gravity theories with weak gravitational lensing
PPC 2010 – IV International Workshop on Particle Physics and Cosmology (Torino, Italy, 15th July 2010)
- Constraining modified gravity theories with weak gravitational lensing
INIFA 2010 – Incontro Nazionale Iniziative di Fisica Astroparticellare (Frascati, Italy, 22nd June 2010)
- Weak gravitational lensing in modified gravity theories
Il Congresso Dipartimento di Fisica Generale 'A. Avogadro' (Torino, Italy, 15th Apr 2010)
- Weak lensing signal in unified dark matter models
Grassmannian Conference in Fundamental Cosmology (Szczecin, Poland, 17th Sept 2009)
- Weak lensing signal in unified dark matter models
Cosmological Backgrounds and Statistical Methods for Astrophysics (Bertinoro, Italy, 25th May 2009)
- Weak lensing signal in unified dark matter models
Interactions in the Dark (Lorentz Center Leiden, Netherlands, 8th Apr 2009)
- Weak lensing and modified gravity
Searching for Dark Matter, École de Physique des Houches (Les Houches, France, 23rd Mar 2009)